

## ABSTRACT

A cellular based universal telephone system adapted for both cellular and land line service uses cellular service for both out-of-home mobile communications, and mimics land line service inside of homes by connect-

5 ing one or more cellular handsets to a converter unit, which converter unit is  
connected to the home telephone wiring. Several off-the-shelf, non-cellular  
handsets can be connected to the telephone wiring (and hence to the con-  
verter unit), for answering and placing telephone calls involving the cellular  
telephone number. The converter unit contains a mobile converter unit and a  
10 land line interface unit. The mobile converter unit converts cellular signals  
from the cellular handset(s) into land line signals understandable by or  
needed by the non-cellular handsets, such as ringing signals, message wait-  
ing signals and call waiting tones. The land line interface unit converts sig-  
nals generated by the non-cellular handsets into those understood by the  
15 cellular handset(s), such as touch tone signals, flash signals, and “end of  
dial” signals. The aforementioned components allow for a convenient, fully  
functioning telephone system relying only upon cellular service, which  
completely mimics a home land line telephone system when used in a cus-  
tomers home, and allows the cellular handsets to function normally outside  
20 of the home.

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